



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G06F 13/00		A1	(11) International Publication Number: WO 99/35585
			(43) International Publication Date: 15 July 1999 (15.07.99)
<p>(21) International Application Number: PCT/US99/00498</p> <p>(22) International Filing Date: 8 January 1999 (08.01.99)</p> <p>(30) Priority Data: 60/070,853 9 January 1998 (09.01.98) US</p> <p>(71) Applicant (for all designated States except US): ABB POWER T & D COMPANY INC. [US/US]; 1021 Main Campus Drive, Raleigh, NC 27606 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): KHALESSI, Amir [US/US]; 203 Brittany Place, Cary, NC 27511 (US). ARDALAN, Sasan [US/US]; Suite 106, 659 Cary Towne Boulevard, Cary, NC 27511 (US).</p> <p>(74) Agents: NORRIS, Norman, L. et al.; Woodcock Washburn Kurtz Mackiewicz & Norris LLP, 46th floor, One Liberty Place, Philadelphia, PA 19103 (US).</p>		<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	

(54) Title: AUTOMATIC MOBILE CREW TRACKING SYSTEM WITH REMOTE ACCESS

(57) Abstract

A system for crew location and task assignment comprises an enterprise computing system (50), a mobile field unit (52), and wireless communication network (54) which supports transmission control protocol (TCP/IP). The enterprise computing network (50) comprises application programs (80) through which data related to the position of a mobile field unit (52) may be requested, various server machines (84) for storing position data, a local area network (LAN) connecting the server machines (84), and a gateway to the TCP/IP wireless network. A mobile field unit (52) comprises a receiver (97) for receiving position data from a positioning service, a processor (98) having instructions thereon for processing the position data, and a radio modem (86) for communicating the position data over the wireless network (54). The mobile field unit (52) and each machine in the enterprise computing system has a unique IP address assigned to it. Accordingly, commands and data can be communicated freely between all machines.

